

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D117-762 REV. E AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D117-762 REV. 4  
REF. FAA STC: SR01853SE  
REF. TCCA: LOA RDIMS-4374899  
REF. EASA STC: 10017063  
REF. DGAC MEXICO STC: IA-376/2016

## 1.0 PURPOSE

at CHG 005 (or later), *DM*  
D117-762-011, and D145-762-015/-115 Skidtubes at CHG 003 (or later) and D145-762-013/-113 Skidtubes at CHG 006 (or later) are equipped with a reinforced ground handling attachment to improve durability. D145-762-015/-115 skidtubes at CHG 003 (or later) are also equipped with integral hose shields to support float kit installations. The purpose of this Dart Service Instruction is to provide customers with an updated weight and balance table and an updated parts list, and to provide instructions for routing a hose through the D5534-1 Hose Shield on the D145-762-015/-115 Float Skidtubes.

## 2.0 WEIGHT AND BALANCE

The following table amends the weight and balance table in Section 4.0 of IIN-D117-762 Rev. E, and Section 32.18 of ICA-D117-762-Rev. 4, for skidtube installations D117-762-011 and D145-762-015/-115 at CHG 003 (or later) and D145-762-013/-113 skidtubes installations at CHG 006 (or later).

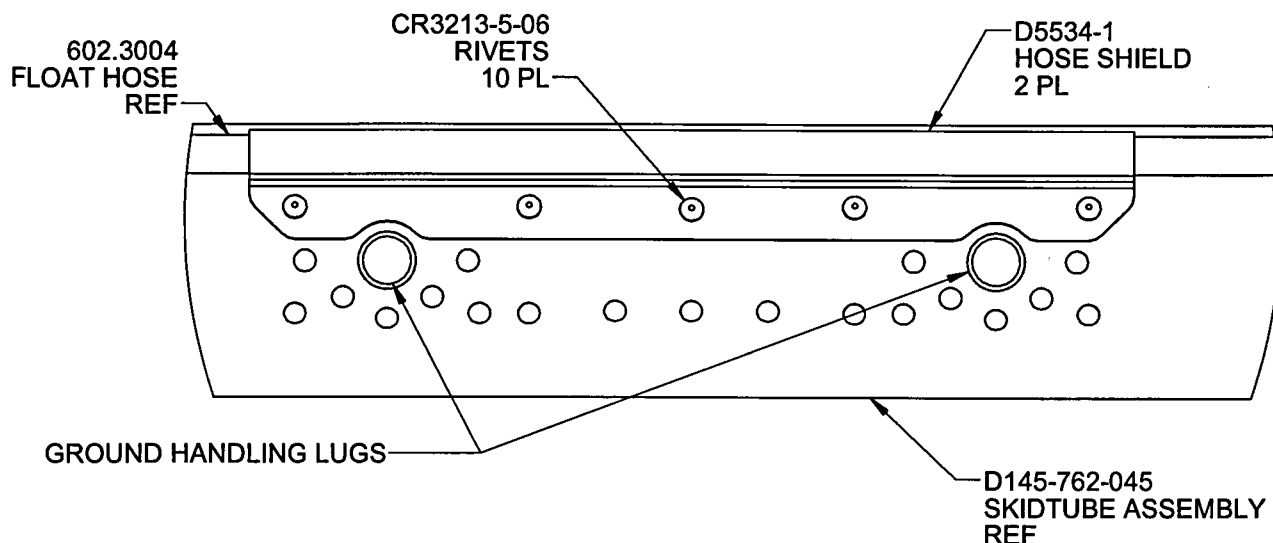
Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
<b>D117-762-011 @ CHG 003 or later</b> <b>Skidtube Installation</b> <i>BK 117 A-1/A-3/A-4/B-1/B-2/C-1 Models</i>	23.6 lb 10.7 kg	± 47.4 in ± 1.20 m	1119 lb-in 12.8 kg-m	158 in 4.02 m	3729 lb-in 43.0 kg-m
<b>D145-762-013 @ CHG 006 or later</b> <b>Skidtube Installation (Std Wearplates)</b> <i>BK 117 C-2 Models</i>	25.4 lb 11.5 kg	± 47.4 in ± 1.20 m	1204 lb-in 13.8 kg-m	157 in 4.00 m	3988 lb-in 46.0 kg-m
<b>D145-762-015 @ CHG 003 or later</b> <b>Float Skidtube Installation (Std Wearplates)</b> <i>BK 117 C-2 Models</i>	41.9 lb 19.0 kg	± 47.4 in ± 1.20 m	1986 lb-in 22.8 kg-m	185 in 4.71 m	7752 lb-in 89.5 kg-m
<b>D145-762-113 @ CHG 006 or later</b> <b>Skidtube Installation</b> <b>(Training Wearplates)</b> <i>BK 117 C-2 Models</i>	31.9 lb 14.5 kg	± 47.4 in ± 1.20 m	1512 lb-in 17.4 kg-m	157 in 4.00 m	5008 lb-in 58.0 kg-m
<b>D145-762-115 @ CHG 003 or later</b> <b>Float Skidtube Installation</b> <b>(Training Wearplates)</b> <i>BK 117 C-2 Models</i>	49.0 lb 22.3 kg	± 47.4 in ± 1.20 m	2323 lb-in 26.8 kg-m	184 in 4.67 m	9016 lb-in 104 kg-m

APPROVED

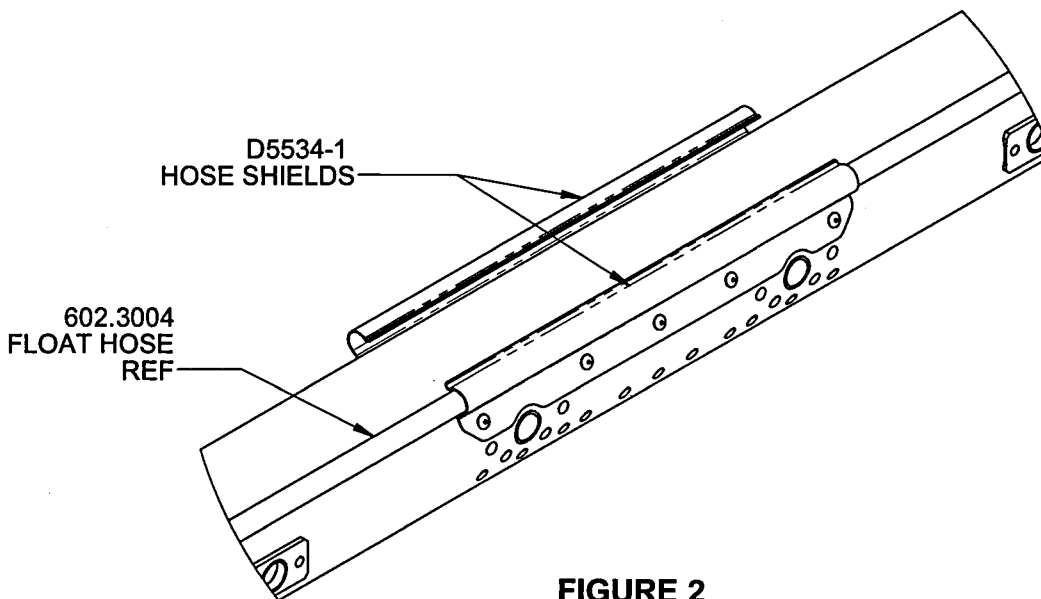
A	NEW ISSUE	ML	17.04.28
REV.	DESCRIPTION	BY	DATE
DESIGN	NO	<b>DART AEROSPACE USA, INC.</b> EUGENE, OR	
DRAWN	NO		
CHECKED	ML	DRAWING NO.	REV. A
MFG. APPR.	DD	<b>DSI 9779</b>	SHEET 1 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	<b>BK117 SKIDTUBE INSTALL</b>	NTS
DATE	<b>17.04.28</b>	<small>COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

### 3.0 HOSE ROUTING

On the D145-762-015/-115 Float Skidtube assemblies at CHG003 or later, a D5534-1 hose shield is installed on each side of the skidtube near the ground handling lug attachments. The hose shield is to be used to route the 602.3004 air hose assembly (ref) for the 646.5401/646.5402 forward float assembly (ref) as shown in the figure below. The hose shield also protects the hose from chafing when attaching ground handling equipment to the ground handling lugs.



**FIGURE 1**  
HOSE ROUTING



**FIGURE 2**  
HOSE ROUTING

APPROVED

DESIGN	NO	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	NO	EUGENE, OR	
CHECKED	ML	DRAWING NO.	REV. A
MFG. APPR.	DD	DSI 9779	SHEET 2 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	BK117 SKIDTUBE INSTALL	NTS
DATE	17.04.28	COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

#### 4.0 PARTS LIST

The parts list in Section 5.3 of IIN-D117-762 Rev. E and Section 32.21 of ICA-D117-762 is amended as follows:

Item	Qty -015	Qty -045	Qty -055	Qty -115	Qty -155	Part Number	Description
	X					D145-762-015	FLOAT SKIDTUBE WITH STD WEARPLATES
	1	X		1		D145-762-045	REPLACEMENT FLOAT SKIDTUBE
	1		X			D145-762-055	REPLACEMENT WEARPLATES (FLOAT SKIDTUBES)
				X		D145-762-115	FLOAT SKIDTUBE WITH TRAINING WEARPLATES
				1	X	D145-762-155	REPLACEMENT TRAINING WEARPLATES (FLOAT SKIDTUBE)
		*2				*D5534-1	*HOSE CLAMP (ADD)
		*10				*CR3213-5-06	*RIVET, PAN HEAD (ADD)

\*PART IS INCLUDED WITH D4766-041 FLOAT SKIDTUBE ASSEMBLY

APPROVED

DESIGN	NO	<b>DART AEROSPACE USA, INC.</b> EUGENE, OR
DRAWN	NO	
CHECKED	ML	DRAWING NO. REV. A
MFG. APPR.	DD	DSI 9779 SHEET 3 OF 3
APPROVED	WM	TITLE SCALE
DE APPR.	DS	BK117 SKIDTUBE INSTALL NTS
DATE	17.04.28	COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>